

**DEPARTMENT OF THE ARMY**  
PM NBC Defense Systems  
Edgewood Arsenal, MD 21010

AMSSB-PM-RNN-F

30 September 1999

MEMORANDUM FOR RECORD

SUBJECT: M45 Frequently Asked Questions (FAQs)

1. Below are questions/answers relating to the M45 protective mask. Send technical questions on the M45 to Mr. Don Kilduff at DSN 584-6661 or the Fielding and NET shop at DSN 584-6528/8808/4033/7918.

2. Who is unit maintainer as directed by Aviation School for M45?

ANSWER: Unit Maintenance. Unit level maintenance will be performed by Aviation Warrant Officers with designated Additional Skill Identifier (ASI) H2, enlisted CMF 67 series w/ASI Q2, and enlisted MOS 63J w/ASI Q2, MOD 93B w/ASI Q2 and MOS 93P w/ASI Q2. Per the USAFMSA MOS decision, the M45 is repaired at unit level by the 63J or the 67N with ASI H2.

3. Units want a listing by parts for M45 all components. See below.

ITEM	NOMENCLATURE	UI	UM	QTY	NSN	SIZE	UNIT PRICE
1	Hood	EA			4240-01-441-0553		\$59.60
2	Second Skin	EA			4240-01-440-0638	SMALL	\$26.57
3	Second Skin	EA			4240-01-440-0639	MEDIUM	\$26.57
4	Second Skin	EA			4240-01-441-0555	LARGE	\$26.57
5	Outserts, Neutral Gray	PR			4240-01-446-8851		\$14.78
6	Outserts, Clear	PR			4240-01-441-0568		\$14.78
7	Outserts, Ballistic 2/Wave Pr	PR			4240-01-441-5498		\$6.38
8	Inserts Optical	PR			4240-01-443-5489		\$12.28
9	Carrier Assembly	EA			4240-01-399-3350		\$16.76
10	Support, Shipping	EA			8145-01-443-5484		\$3.30
11	Cable, Microphone	EA			5965-01-443-5490		\$18.63
12	Canister, Chem-Bio C2A1	EA			4240-01-361-1319		\$17.53
13	Canister, Baffle	EA			4240-01-443-2476		\$3.98
14	Tube, Drinking Internal	PG	EA	5	4240-01-441-0557		\$8.41
15	Nosecup Assembly	AY			4240-01-441-0561	XS Right	\$20.35
16	Nosecup Assembly	AY			4240-01-441-0560	SML Right	\$20.35
17	Nosecup Assembly	AY			4240-01-441-0566	MED Right	\$20.35
18	Nosecup Assembly	AY			4240-01-441-0567	LGE Right	\$20.35
19	Nosecup Assembly	AY			4240-01-443-5485	XLGE Right	\$20.35
20	Nosecup Assembly	AY			4240-01-441-0556	XS Left	\$20.35
21	Nosecup Assembly	AY			4240-01-441-0554	SML Left	\$20.35
22	Nosecup Assembly	AY			4240-01-441-0559	MED Left	\$20.35
23	Nosecup Assembly	AY			4240-01-441-0558	LGE Left	\$20.35
24	Nosecup Assembly	AY			4240-01-441-0563	XLGE Left	\$20.35

25 Head Harness	PG	EA	5	4240-01-441-0562		\$117.00
26 Inlet Valve Assembly	AY			4240-01-441-0565		\$14.59
27 Tube, Drinking External	PG	EA	5	4240-01-443-9347		\$6.31
28 Coupling Half, Quick	EA			4730-01-391-8461		\$5.28
29 Disk, Valve, Outlet	PG	EA	10	4820-01-447-5635		\$6.30
30 Cover, Outlet Valve	PG	EA	5	4240-01-443-5487		\$6.66
31 Side Voicemitter	EA			5964-01-441-0564		\$2.84
32 Gasket, Port Side	PG	EA	5	5330-01-441-5499		\$17.99
33 Faceblank Assembly	EA			4240-01-440-9593	X-SML	\$47.29
					S/B	\$104.23
34 Faceblank Assembly	EA			4240-01-440-9592	SMALL	\$47.29
					S/B	\$104.23
35 Faceblank Assembly	EA			4240-01-440-9594	MEDIUM	\$139.00
					S/B	\$104.23
36 Faceblank Assembly	EA			4240-01-440-9591	LARGE	\$139.00
					S/B	\$104.23
37 Hose Nonmetallic	EA			4720-01-446-3691		\$24.44
38 Gasket	EA			5330-01-231-3877		\$0.15
39 Microphone Element	EA			5965-01-441-8697		\$38.34
40 Positioner Microphone	EA			5965-01-443-5488		\$19.88
41 Thermoplastic Liner	EA			4240-01-455-7982	XXS	\$78.68
42 Thermoplastic Liner	EA			4240-01-456-4510	XS	\$54.30
43 Thermoplastic Liner	EA			4240-01-456-4509	SML	\$54.30
44 Thermoplastic Liner	EA			4240-01-456-4512	MED	\$54.30
45 Thermoplastic Liner	EA			4240-01-456-4511	LGE	\$54.30
46 Thermoplastic Liner	EA			4240-01-456-4516	X-LGE	\$54.30

THE REST OF THE ADDITIONAL AUTHORIZED LIST AND THE EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST IS THE SAME AS ALL THE OTHER MASKS, E.G. M40/M40A1, M42/M42A1/M42A2, M43, M17A2/M17A1, ETC.

Units may have tariff concerns --- M45 MASK SIZE TARIFF

EXTRA-SMALL 2% SMALL 34% MEDIUM 62% LARGE 2%

Units need to call TPF/PM team if tariff becomes a problem but tariff has been validated on a test population of soldiers and past fielding events have also validated the tariff. IF REQUIRE SIZE CHANGES AFTER TPF, CONVERT M45 MASK BY USING THE FOLLOWING FACEBLANK ASSEMBLIES:

EXTRA SMALL, NSN 4240-01-440-9593 SMALL, NSN 4240-01-440-9592

MEDIUM, NSN 4240-01-440-9594 LARGE, NSN 4240-01-440-9591

What is the cost of the M45? **\$383.00**

How many sizes does the M45 facepiece come in and what are they?

**4 sizes (XS, S, M, L)**

How many sizes does the M45 nose cup come in and what are they?

**5 sizes (XS, S, M, L, XL)**

Is the M45 mask made from all Class IX parts? Yes or No.

Explain. **Yes, all parts can be purchased individually.**

How many different size combinations can be made with the M45 facepiece/nose cup? **11**

Is the M40/M42 face form interchangeable with the M45? **No.**

How many different sizes does the M45 second skin come in and what are they? **3 sizes (XS, S, M, L)**

What do you use to decon the M45? **M291**

List the components of the M45.

**Faceblank**

**Second Skin**

**Hose**

**Microphone and Microphone Cable**

**C2A1 Canister and baffle**

**Outserts**

**Hood**

**Face form**

**Carrier**

**TPL**

Who uses the M45? **General Aviators, crew members, hard to fit personnel**

What is the tariff on the M45? **XS 2%, X 32%, Med 64%, Large 2%**

How many sizes of the vision corrective inserts are there for the M45? **One.**

What is/are NSN's? **4240-01-443-5489**

What does the M45 replace and why? **Type II M43 and M24. The M24 cannot be flown at night with NVGs. The M43 mask system will be unsupportable to the field with the nonstandard battery. Also, the Operational Requirements Document (ORD) from the Aviation community states that no modification or use of the helicopter can be used in conjunction with the mask.**

What type of NVGs is the M45 compatible with, if any? **AN/PVS-5 and AN/PVS-7**

How many hours does the second skin protect the user from liquid agent penetration? **6 hours**

What type of filter does the M45 come with? **C2A1**

How many voicemitters does the M45 have? **2 Front and Side.**

How does the soldier get inserts for the M45? **The MEDAAC Facility, see optometrist whom orders the vision corrective inserts.**

What type of seal does the M45 have that is similar to the M40A1/M42A2? **Inner Peripheral seal.**

Can the hose be placed or moved from the left or right? If yes, what must be done explain procedures? **Yes. The hose can be moved from the left to the right or the right to the left. The nose cup must be changed inside the mask to bring in air through the filter and drawn in over the eyes to prevent fogging. If the nose cup is not changed out then the fogging will occur. It is very important to use the right nose cup is inside the mask.**

What is the DS maintenance on the M45? **Technical Inspection and Turn-in.**

What does the baffle on the M45 do? **Prevents objects from covering canister inlet.**

What is the hood on the M45 made of? **Lightweight butyl rubber coated fabric.**

How many types of outserts do the M45 come with and what are they? **2 Types, Clear and Neutral Gray.**

How many M45s come in a container? **10 masks come in a package.**

What level of fill will a unit receive on the M45? **105%**

How many sizes does the TPL come in? **6**

What does TPL stand for? **Thermal Plastic Liner**

Explain TPL use/instructions for issue: **Fits in the helmet to take the place of where the mask would fit.**

How many TPLs come with a mask? **None but one will be issued during initial fielding.**

What MOSs do you expect to see at NET for the M45? **Bn and separate NBC NCOs/officers, 54B, 93B, 93P, 63J, and 67W/ASI Q2.**

What training products are currently available for the M45? **There is a video, which includes operation and unit maintenance procedures. There is a Program of Instruction for the trainer as well as students attending the NET session. Future M45 training can use the trainer POI after the NET team departs.**

**Also, see the SBCCOM web site at:**

**<http://www.sbccom.apgea.army.mil/RDA/pmnbci/index.htm>**

What do units do with their old mask when issued new ones? **Units will contact the item manager at DSN 793-4285 for disposition instructions. Units will turn in mask “IN AN AS IS STATUS”.**